

Figure 1
(PRIOR ART)

Example Configuration Data File for the Primary Name Server of the foo.IBM.com Zone

```
205    primary    foo.IBM.com      db.foo.IBM
210    primary    stanford.edu     db.stanford
      .
      .
      .
```

Figure 2A

Example db.foo.IBM Zone Data File for the foo.IBM.com Zone

```
foo.IBM.com. IN SOA ns1.WebHostingCompany.com. postmaster.WebHostingCompany.com. (
;;; information for slave name servers
                                1837      ;;; serial number for this version of the zone data file
                                1800      ;;; refresh after 30 minutes
                                900       ;;; retry after 15 minutes
                                86400     ;;; expire after 1 week
                                1800     ;;; minimum Time To Live (TTL) of 30 minutes
                                )
;;; name servers for the zone
                                IN        NS    ns1.WebHostingCompany.com.
                                IN        NS    bar
;;; mail server
                                IN        MX    5 mailserver.WebHostingCompany.com.
;;; addresses
    @                IN        A    216.23.39.188
    foo              IN        A    216.23.39.180
    bar              IN        A    216.23.46.83
;;; aliases
    smtp            IN CNAME    @
    www             IN CNAME    @
    ftp             IN CNAME    foo.foo.IBM.com.
    bigdaddy        IN CNAME    bar
```

Figure 2B

Example Partial Zone Data File for the IBM.com Zone

```
;;; delegation of subzone foo.IBM.com to authoritative name servers for the subzone
foo                86400 IN NS    ns1.WebHostingCompany.com.
                  86400 IN NS    bar.foo.IBM.com.
bar.foo.IBM.com.  86400 IN A     216.23.46.83
```

Figure 2C



THE SOURCE FOR .CC DOMAIN NAMES

Register Your .CC Domain Now!

DOMAIN NAME: .CC

SUBMIT

Now offering International
Character Domains
CLICK HERE TO REGISTER 域名

LATIN-1 NOW AVAILABLE!
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Deutsch and 16 MORE...

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eNIC provides **FREE** web and email forwarding with a paid domain registration.

.CC names work worldwide exactly as do .COM names.

If you have any questions regarding your domain name please email hostmaster@nic.cc.

DOMAIN NAME: .CC

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NEW NAME



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

Fig. 3A



NIC

THE SOURCE FOR .CC DOMAIN NAMES

☒ REGISTER A NEW NAME

Select an encoding

繁體中文 Chinese (Big5) Traditional	簡體中文 Chinese (GB) Simplified	日本語 Japanese (SJIS)	日本語 Japanese (EUC)	한국어 Korean (KSC)
---	--	----------------------------------	---------------------------------	-------------------------------

Big 5 | GB2312 | Shift JIS | EUC-JP | KSC5601

Latin 1 (ISO 8859-1)	
Afrikaans Afrikaans	Shqip Albanian
Euskara Basque	Català Catalan
Dansk Danish	Nederlands Dutch
Føroya Faroese	Suomea Finnish
Français French	Deutsch German
Islensku Icelandic	Gæilge Irish
Norsk Norwegian	Portuguìs cv/br/eu Portuguese
României Rhaeto-Romanic	Scotts Gæilge Scottish
Español Spanish	Kiswahili Swahili
Svenska Swedish	MORE COMING SOON!

域名

DOMAINS

abc

DOMAINS



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

Fig. 3B



THE SOURCE FOR .CC DOMAIN NAMES

☒ REGISTER A NEW NAME

Search For a New Domain Name

DOMAIN NAME: 312 .CC Encoding iso8859-1 } 314

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International Domain Name Registration Surcharge:
Waived

[NEW NAME](#) • [EDIT DNS](#) • [WHO IS?](#)
[POLICIES](#) • [PAYMENTS](#) • [FAQ](#) • [HOME](#)

Fig. 3C



DOMAIN



DOMAIN



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

☒ REGISTER A NEW NAME

Search For a New Domain Name

319 { **Warning!** Changing the Encoding Type will reset the cart.
BIG5 | KSC5601 | Shift-JIS | EUC-JP | GB2312

DOMAIN NAME:

삼성 회사 .cc

Encoding

KSC5601

SURMIT

International Domain Name Registration Surcharge:
Waived

NEW NAME • EDIT DNS • WHO IS?
POLICIES • PAYMENTS • FAQ • HOME

Fig. 3D

域名

DOMAIN

αβγδ

EDOMAIN



EDIT DNS



WHO IS?



POLICIES



PAYMENT



FAQ'S



CONTACT



HOME

삼성 회사 320


KSC5601: 0xC701 0xB1B9 322

Unicode: U+D55C U+AD6D 323

UTF-5 ACE T55C QD6D 324

Fig. 3E

327 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000



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everyone's invited

all samsung websites

Search

프로젝트 X-1000이 사파이어 울트라 양한 활

프로젝트 X-1000이 사파이어 울트라 양한 활로 삼성 울트라 마켓의 성을 높이고 있습
다

(2000년9월6일/ 삼성) more >>

... MOVIE ... MOVIE

삼성 사파이어 하울 태극로 수를

사파이어 울트라 공인 삼성은 안류 회의 제인 2000년 사파이어 울트라 성의 개를 위해 초
의 노를 다고 있습니다

(2000년9월6일/ 삼성) more >>

삼성사 사파이어 울트라 그래픽 마켓 출시

삼성사 사파이어 울트라 그래픽 마켓 출시를 위해 삼성은 안류 회의 제인 2000년 사파이어 울트라 성의 개를 위해 초
의 노를 다고 있습니다

(2000년9월30일/ 삼성) more >>

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의 노를 다고 있습니다

(2000년9월29일/ 삼성) more >>

27일은 사파이어 울트라 한의 날

제27회 울트라이 알고 있는 주 사파이어 울트라 한의 날입니다
(2000년9월27일/ 삼성) more >>

삼성사 사파이어 울트라

Quick Link

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- ▶ 삼성명
- ▶ 삼성사

상품소개

삼성의 대표적 첨단
디지털 제품을
소개합니다

다운로드

제품 드라이버
파일과 메뉴
제공합니다삼성 그룹
가족보 '삼성월드'가족보 '삼성월드'
가족보 '삼성월드'
가족보 '삼성월드'

2000-10

분류	지수
KOSPI	598.45 ▼
KOSDAQ	95.79
KOSPI200	74.32

330

Fig. 3G

Example Multilingual Domain Name Registry Database

	337	339	
	ASCII And ASCII-Compatible Encoding Domain Names	Registrant	
340	alpha.cc	Bob Smith	
342	amethyst-rings.cc	Jim Jones	
344	:		
346	race.cc	Helen Keller	...
348	ra--b971b054.cc	Chun Ahn	
350	ra--t55cqd6d.cc	Doug White	
352	reckless.cc	Billy TheKid	
	:		

Figure 3H

Example db.CC Zone Data File for a ".CC" Zone

```

cc.                IN      SOA      ns1.nic.cc.          postmaster.nic.cc.      (
;;; information for slave name servers
                        1837          ;;; serial number for this version of the zone data file
                        1800          ;;; refresh after 30 minutes
                        900           ;;; retry after 15 minutes
                        86400         ;;; expire after 1 week
                        1800          ;;; minimum Time To Live (TTL) of 30 minutes
                        )
;;; name servers for the zone
                        IN      NS      ns1.nic.cc.
                        IN      NS      ns2.nic.cc.
                        IN      NS      ns1.globaldns.com.

;;; addresses
@                   IN      A      226.23.39.188
alpha               IN      A      225.78.83.242
amethyst-rings     IN      A      178.123.32.138
:
ns1.nic             IN      A      225.31.53.23
:
race                IN      A      225.31.32.45
reckless            IN      A      67.79.35.15
:
*                   IN      A      234.71.83.24
  
```

356

358

Figure 3I

Example Multilingual Domain Name Binary Variants Database

	362	364	366	368
	Binary Variants	Corresponding Registered Domain Name	Encoding Type	Primary Or Secondary
370	b971b054	ra--b971b054.cc	Big 5	1
371	1b244245453f76	ra--b971b054.cc	JIS	0
372	93649075	ra--b971b054.cc	Shift-JIS	0
373	b5e7d1b6	ra--b971b054.cc	GB2312	0
374	b5e7d38d	ra--b971b054.cc	GB2312	0
375	b971b074	ra--b971b054.cc	Big 5	0
376	c2b971c2b054	ra--b971b054.cc	"Dumb UTF-8"	0
377	c2b971c2b074	ra--b971b054.cc	Lower-cased "Dumb UTF-8"	0
378	c5c5bfd6	ra--b971b054.cc	EUC-JP	0
379	e794b5e8a88a	ra--b971b054.cc	UTF-8	0
380	e794b5e8aeaf	ra--b971b054.cc	UTF-8	0
381	e99bbbe8a88a	ra--b971b054.cc	UTF-8	0
382	e99bbbe8aeaf	ra--b971b054.cc	UTF-8	0
383	eb8ad1b6	ra--b971b054.cc	GB2312	0
384	eb8ad38d	ra--b971b054.cc	GB2312	0
385	efb3e3f2	ra--b971b054.cc	KSC 5601	0
	⋮			
386	cd38sl93	ra--cd38sl93.cc	KSC 5601	1
	⋮			

Figure 3J

Example ACE Forwarding Database

	388		389	
	ACE Domain Names		URL Forwarding	
	⋮			
394	ra--b971b054.cc		228.32.98.20	...
396	ra--t55cq6d.cc		http://www.samsung.com/korean.html	
	⋮			

Figure 3K

電訊.cc

電配

電訊 電訊 電訊 電訊

電訊

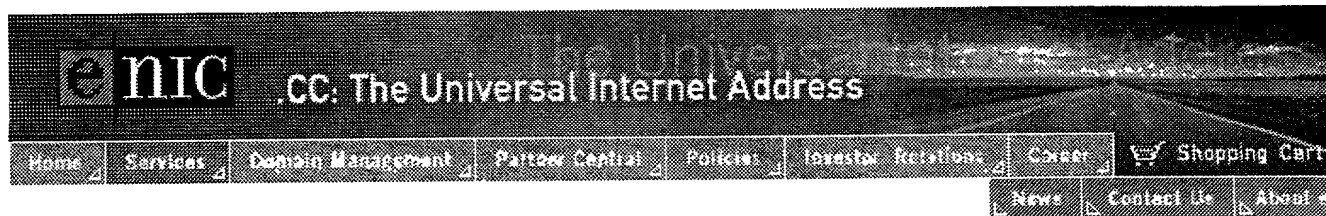
Does not display correctly.

Fig. 3L

電訊

電訊

١٩٥٧ ١٩٥٨ 電訊 電訊 電訊 電訊



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[English to CJK Translator](#)
[Lookup by Reference Code](#)
[Multilingual INFO/FAQ](#)

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Pick the language that works for you. We did the work to make it easy. You can register your site in more than 28 active Asian, Middle Eastern and European languages.

This is not a test. Our system works.

While some of our competitors provide a "testbed" version of multilingual software, we've delivered a fully-functional system that works for thousands of dot.cc customers.

We provide different forms of the same languages, so you can register your site in traditional and simplified Chinese or different Japanese character sets. We make it easy to ensure that all variants of a domain name point to the same site.

We're bringing the world to the World Wide Web.

Select a Language or Encoding to use:

[Asian](#) | [Arabic](#) | [Hebrew](#) | [European / Afrikaans / Americas](#)

Asian Language

(Chinese / Japanese / Korean encodings)

繁體中文	简体中文	日本語	日本語	한국어
Chinese	Chinese	Japanese	Japanese	Korean
Big5	GB	SJIS	EUC	KSC
Traditional	Simplified			
<u>Big 5</u>	<u>GB 2312</u>	<u>Shift-JIS</u>	<u>EUC-JP</u>	<u>KSC 5601</u>

Fig. 3M

Arabic Language

(ISO 8859-6 encoding)

العربية	فارسي	اردو
<u>Arabic</u>	<u>Persian</u>	<u>Urdu</u>

Hebrew Language
(ISO 8859-8 encoding)

עברית
Hebrew

יידיש
Yiddish

Latin 1 Language
(ISO 8859-1 encoding)

Afrikaans
Afrikaans

Euskara
Basque

Dansk
Danish

Føroya
Faroese

Français
French

Islensku
Icelandic

Italiano
Italian

Português
cv/br/eu Portuguese

Scotts Gæilge
Scottish

Kiswahili
Swahili

Shqip
Albanian

Català
Catalan

Nederlands
Dutch

Suomea
Finnish

Deutsch
German

Gàeilge
Irish

Norsk
Norwegian

României
Rhaeto-Romanic

Español
Spanish

Svenska
Swedish

Fig. 3N

Search For a New Domain Name

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Changing the Encoding Type will reset the shopping cart.

Encoding Type: **KSC5601**

International Domain Name Registration Surcharge: **Waived**

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Fig. 30

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[Multilingual INET/FAQ](#)

CJK Translation Dictionary

English word to look up

Application

Look Up

Language/Encoding

Chinese Simplified (GB 2312)

Chinese Traditional (Big 5)

Japanese (EUC-JP)

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Fig. 3P

[Register a Domain](#)
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Search Results for 'application'

Select up to 5 Domain names

Add to Cart

<input type="checkbox"/>	用途 .CC	application
<input type="checkbox"/>	应用 .CC	application
<input type="checkbox"/>	應用程式 .CC	application
<input type="checkbox"/>	申请书 .CC	application
not available	申请 .CC	application (form, etc.)
<input type="checkbox"/>	应用层 .CC	application layer
<input type="checkbox"/>	应用平台 .CC	application platform
<input type="checkbox"/>	應用程式介面 .CC	application programming interface
<input type="checkbox"/>	应用软件 .CC	application software
<input type="checkbox"/>	应用软体 .CC	application software
<input type="checkbox"/>	专用集成电路 .CC	Application-specific integrated circuit
<input type="checkbox"/>	商业应用 .CC	business application
<input type="checkbox"/>	客户应用 .CC	client application
<input type="checkbox"/>	网络应用 .CC	network application
<input type="checkbox"/>	網路应用 .CC	network application
<input type="checkbox"/>	实际应用 .CC	practical application
not available	招聘 .CC	take job applications
<input type="checkbox"/>	典型用途 .CC	typical application

Add to cart

Clear All

Fig. 3Q

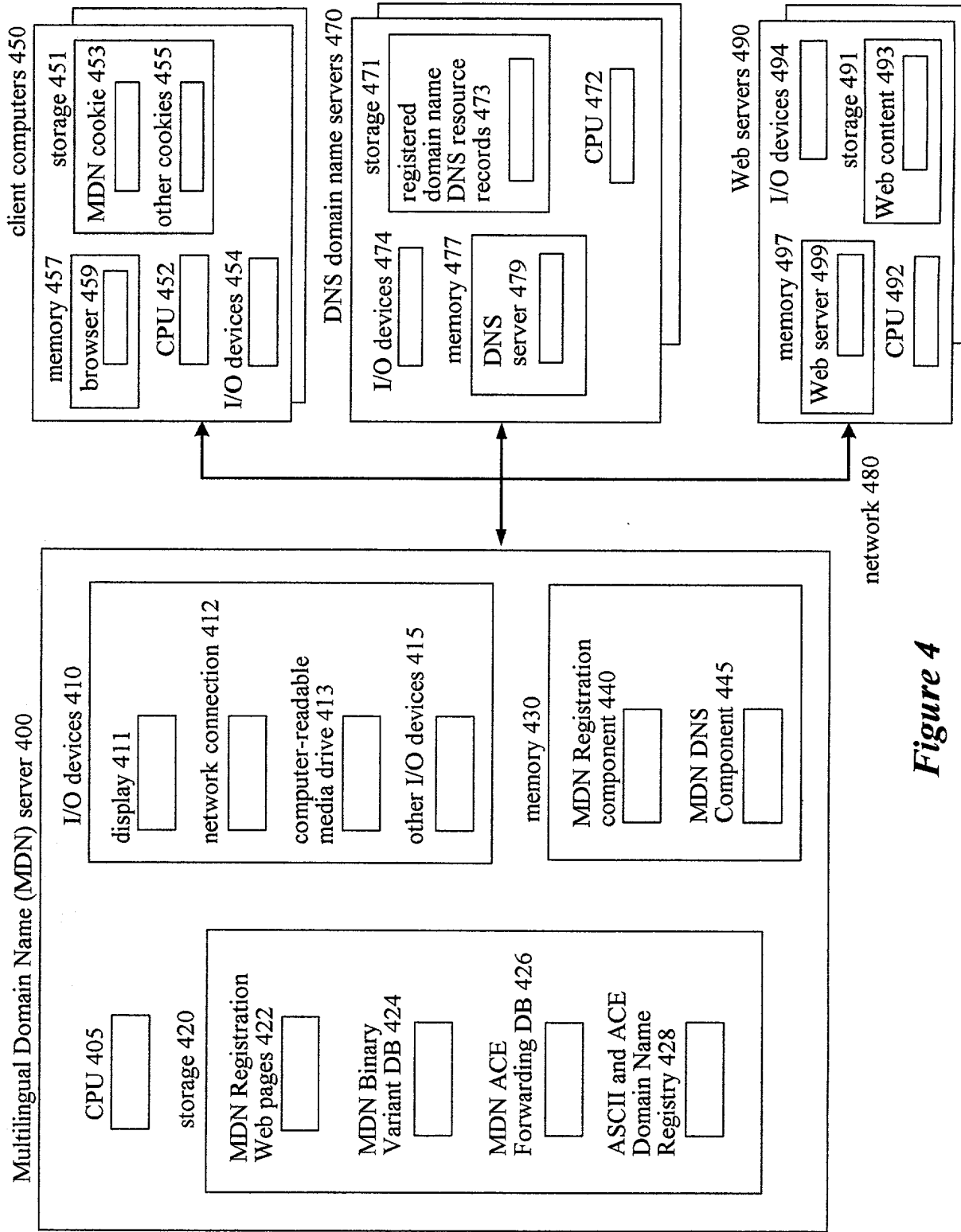


Figure 4

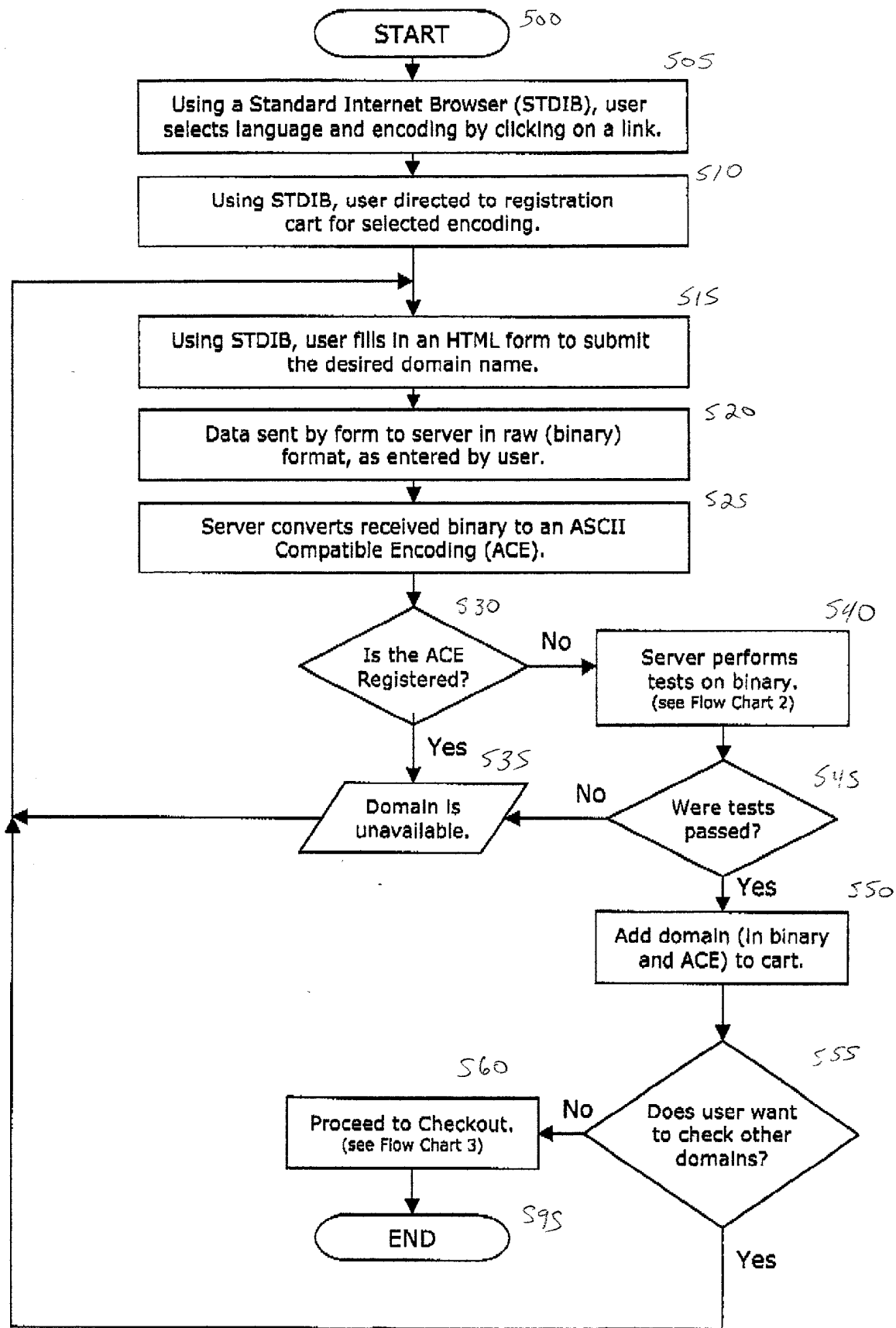


Fig. 5

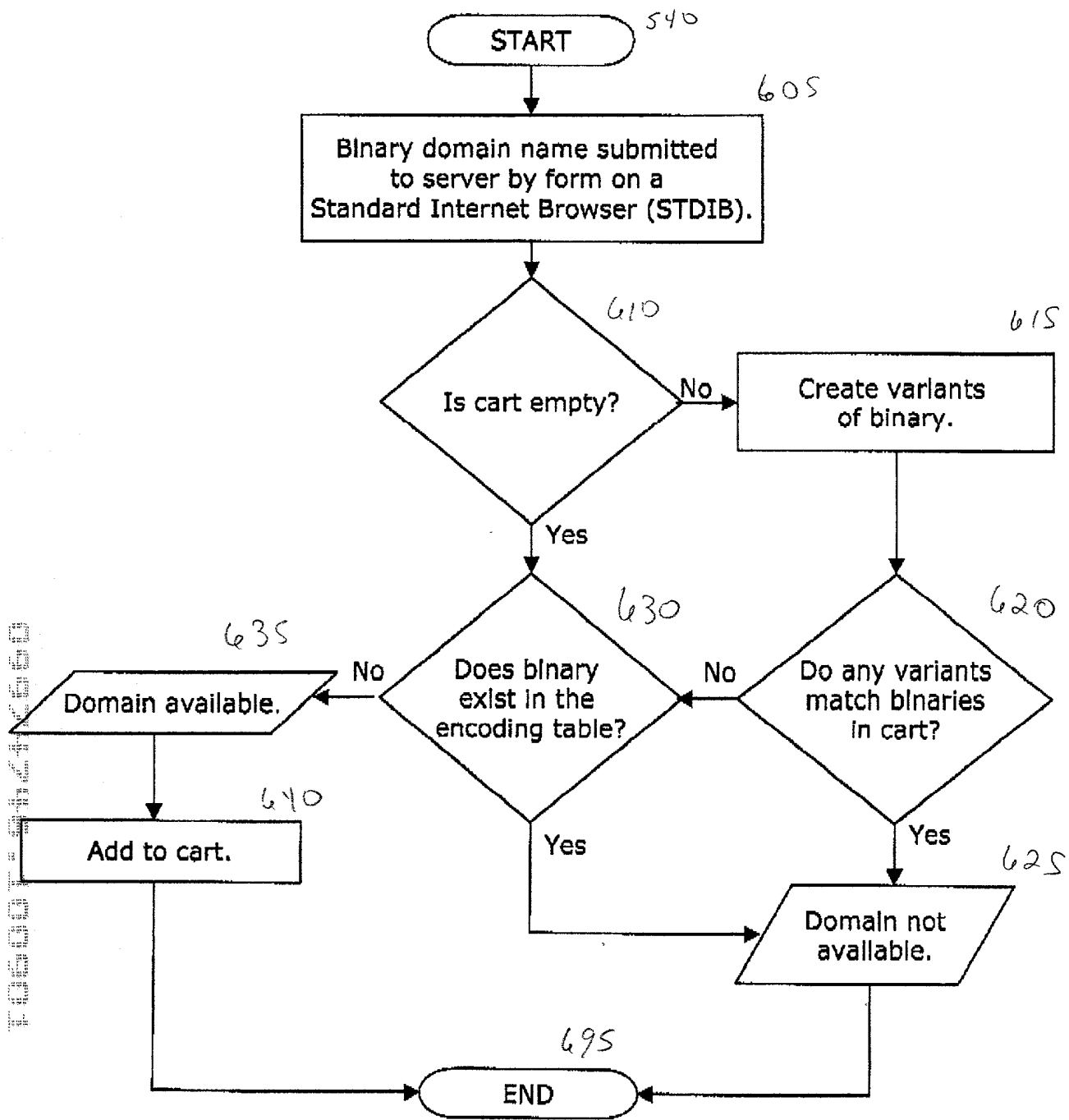


Fig. 6

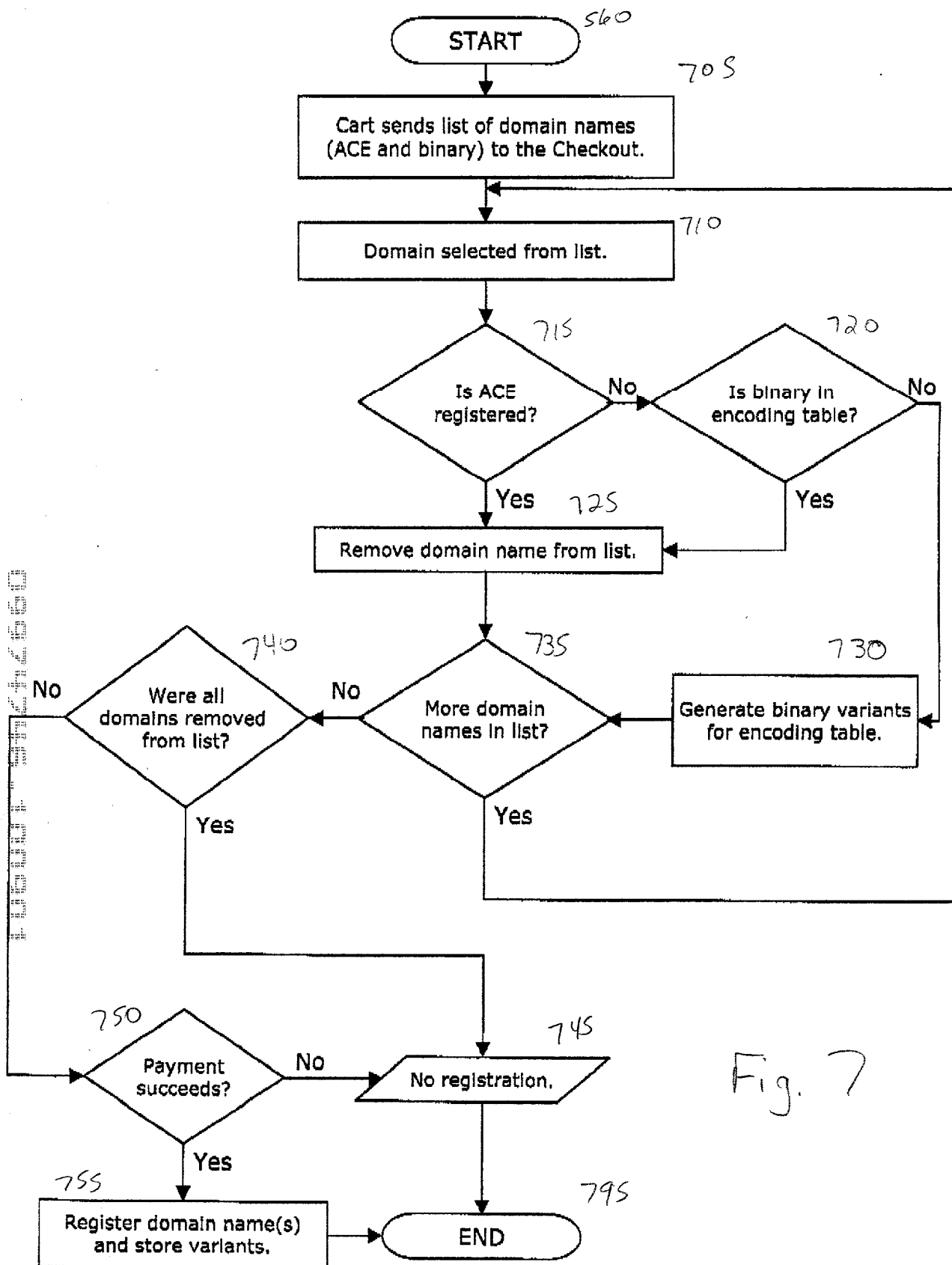


Fig. 7

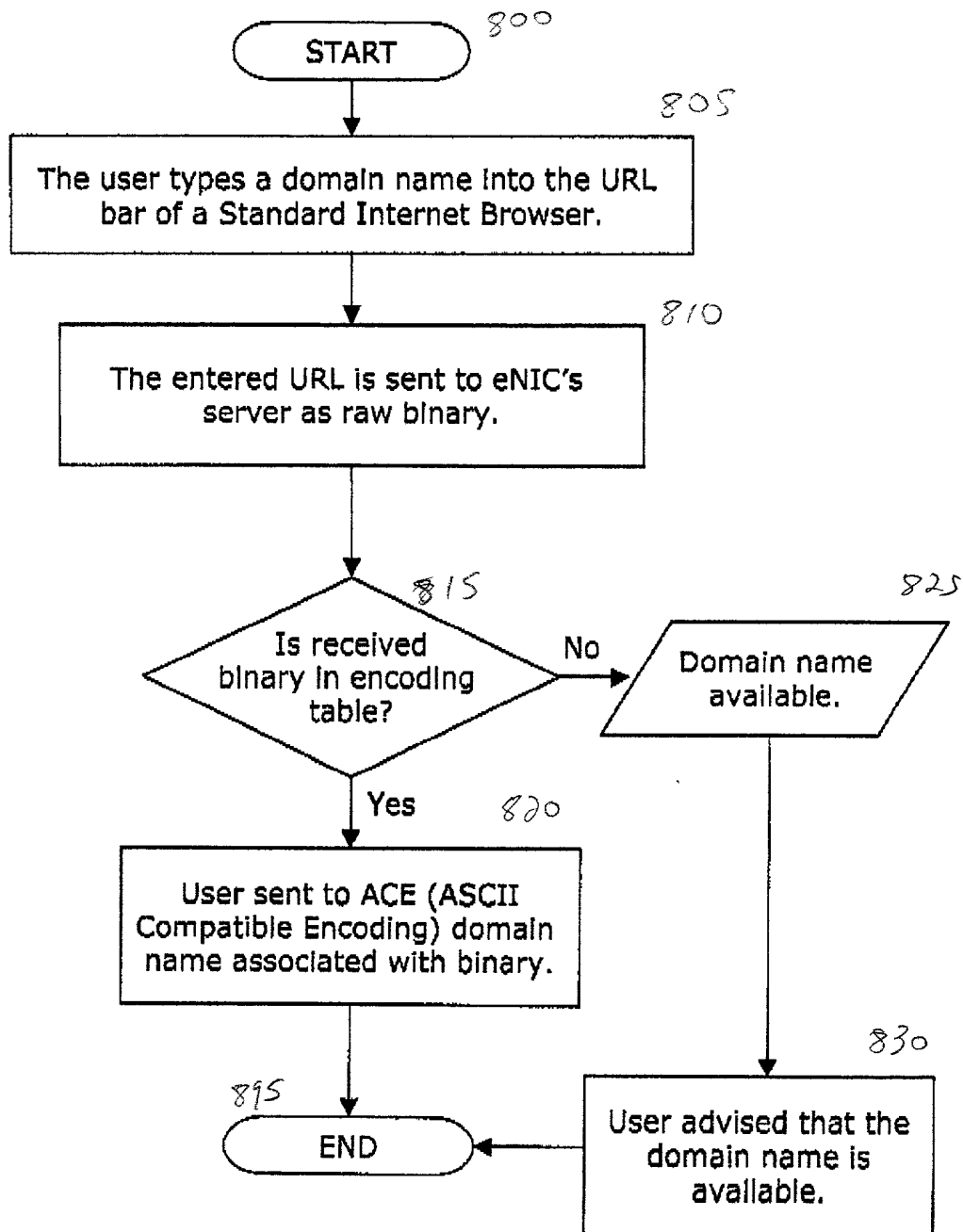


Fig. 8